

**Senior Leadership Briefing and Recovery Snapshots**  
**Hurricane Maria and Post-Tropical Cyclones Irma and Harvey**  
**Wednesday, September 20, 2017 (5:00 a.m. EDT)**  
**Updates in Blue**

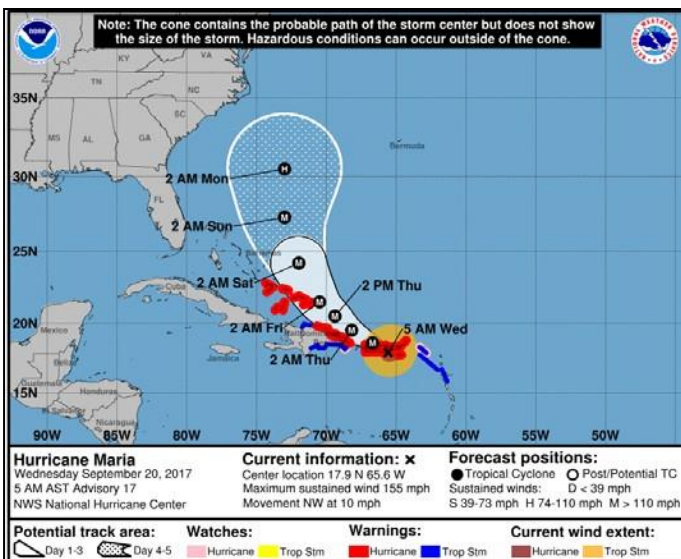
**Current Situation:**

**Hurricane Maria:** At 5:00 am ET, Major Hurricane Maria was located about 50 miles southeast of San Juan, Puerto Rico with maximum sustained winds of 155 mph and gusts to 185 mph. Hurricane-force winds extend outward up to 60 miles from the center and tropical-storm-force winds extend outward up to 150 miles. Maria continues to move toward the northwest at 10 mph. The eye of Maria will cross the southeastern coast of Puerto Rico this morning then continue west northwest through the remainder of the island into tonight. A sustained wind of 106 mph with a gust to 137 mph was reported earlier this morning in St. Croix. Wind gusts between 60 and 85 mph have been reported near the southeast coast of Puerto Rico. Sustained hurricane force winds with gusts over 100 mph will overspread Puerto Rico today.

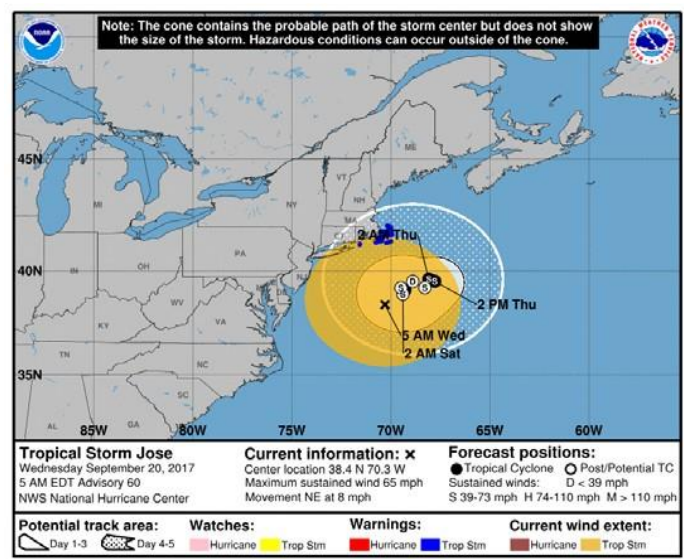
Storm surge values are forecast to be 6 to 9 feet above normally dry areas, especially with this morning's high tide. The deepest water will occur along the immediate coast near and to the north and east of the landfall location, where the surge will be accompanied by large and destructive waves. Maria is expected to produce total rain accumulations of 12 to 18 inches with isolated maximum amounts of 25 inches across Puerto Rico and the U.S. Virgin Islands through Thursday. These rainfall amounts could cause life-threatening flash floods and mudslides. A few tornadoes will also be possible.

**Hurricane Jose:** At 5 am ET, the center of Tropical Storm Jose was located 195 miles south of Nantucket, Massachusetts with maximum sustained winds of 65 mph. Movement is toward the northeast at 8 mph. A general northeast movement with a decrease in forward speed can be expected through today. On the forecast track the center of Jose is expected to pass well to the east of the New Jersey coast today, and pass offshore of southeastern Massachusetts Thursday. Tropical storm force winds extend outward up to 230 miles from the center. Tropical Storm Warnings continue for Woods Hole to Sagamore Beach including Cape Cod, Block Island, Martha's Vineyard, and Nantucket. Rough surf, dangerous rip currents, beach erosion, and strong gusty winds will continue along coastal locations of the northeast and New England coast over the next couple of days.  
(NOAA Update, September 20, 2017, 5:00 a.m. EDT)

**Hurricane Maria:**



**Hurricane Jose:**



# Senior Leadership Briefing

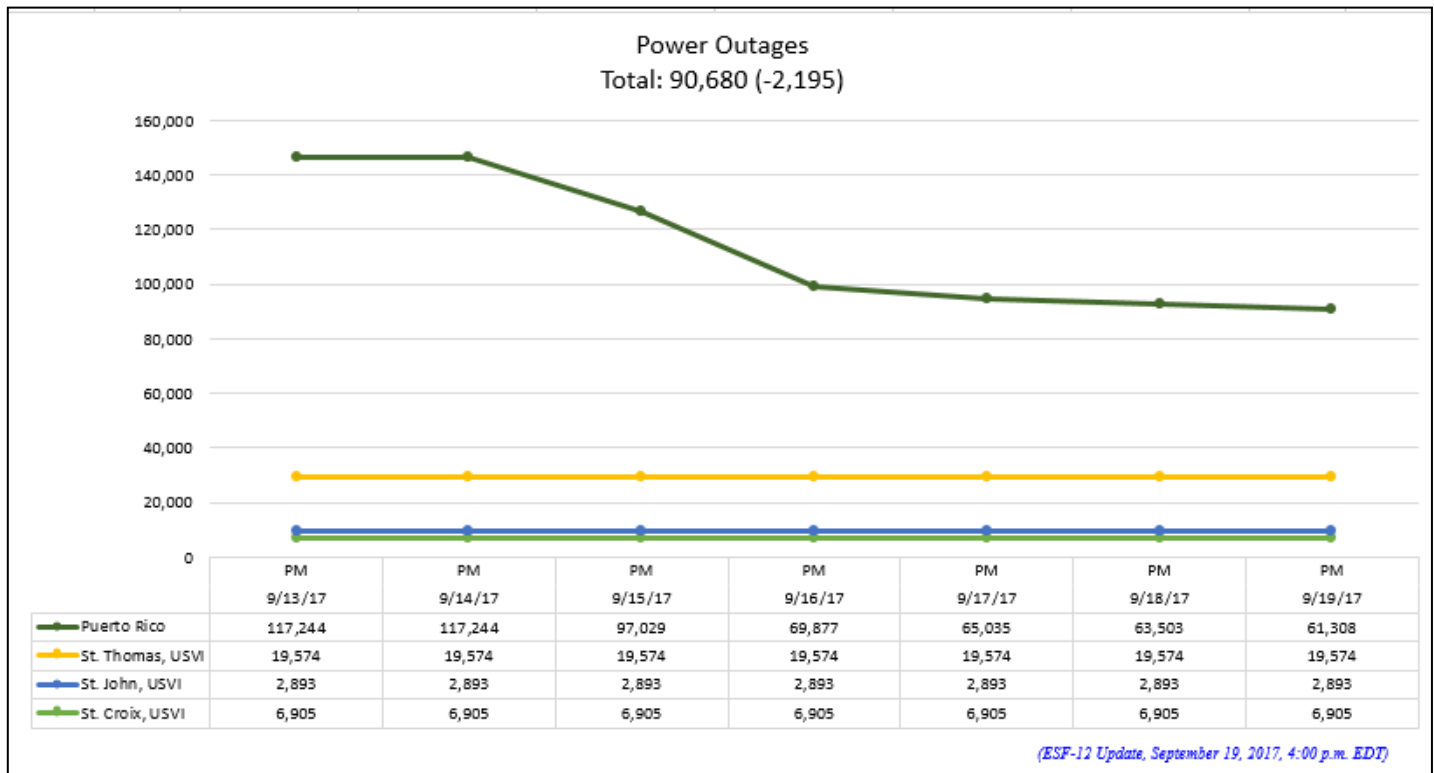
## Hurricane Maria

Wednesday, September 20, 2017 (5:00 a.m. EDT)

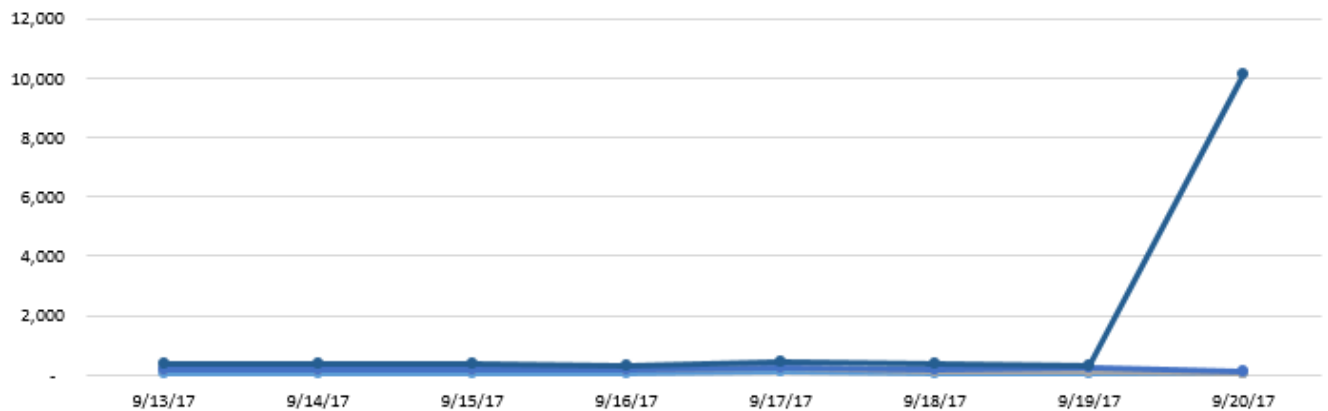
Updates in Blue

### Impact Summary:

Population Impacts							
Territory	Event	Confirmed Fatalities	Shelters / Population	Customer Power Outages	Hospitals	Evacuations	Other
USVI	Hurricane Maria	0	Shelters: 6* Pop: 145 (-103)	St. Thomas: 19,574 St. John: 2,893 St. Croix: 6,905	Hospitals: 1 closed Dialysis centers: 1 closed	No mandatory orders	Territory wide curfew went into effect September 19 at 10:00 a.m.  Public schools remain closed
	Hurricane Irma	5					
PR	Hurricane Maria	0	Shelters: 172* (+170) Pop: 9,981 (+9,952)	61,308 (-2,195)	Hospitals: All open Dialysis centers: All open; 1 on generator	Mandatory evacuation for four municipalities  No mandatory evacuation order	38 schools (2%) remain closed due to lack of power, water, etc.
	Hurricane Irma	3					
As of:		September 17 11:00 a.m.	September 20 3:58 a.m.	September 19 9:06 a.m.	September 19 1:28 p.m.	September 19 2:45 p.m.	September 19 2:39 p.m.



### Shelter Population Total: 10,126 (+9,820)



	9/13/17	9/14/17	9/15/17	9/16/17	9/17/17	9/18/17	9/19/17	9/20/17
Puerto Rico	184	182	192	92	184	189	58	9,981
St. Croix	7	5	4	4	5	21	107	107
St. Thomas	127	146	144	144	145	103	103	-
St. John	47	47	37	37	105	38	38	38

*(ARC Update, September 20, 2017, 4:00 a.m. EDT)*

### Infrastructure Impacts

Territory	Air	Ports	Transit	Roads	Fuel/Gas	Water
USVI	Closed	All ports closed	Public transit not operational in St. Thomas and St. John  Ferry service between St. Thomas and St. John suspended	Damage in St. Croix and St. John  Assessments will be conducted post-landfall  Debris removal to resume post-storm	Normal supply chain operational as of September 18	Six of eight municipal wastewater treatment plants in service as of September 19  Four of 15 sanitary pump stations in St. Thomas and St. John not in service as of September 19
PR	Closed	All ports closed	Autoridad Transporte de Maritimo (ATM) ferry service to islands of Culebra and Vieques suspended	All major roads open as of September 19  Assessments will be conducted post-landfall	No known concerns as of September 18	Drinking and wastewater treatment plants at normal operations as of September 19
As of:	September 19 1:53 p.m.	September 19 1:53 p.m.	September 19 2:06 p.m.	September 19 4:00 p.m.	September 18 1:30 a.m.	September 19 11:49 a.m.

## Declaration Activity for USVI/PR:

Territory	Declaration	Declared Counties		
		Individual Assistance	Public Assistance	Cost Share
USVI	9/18: EM-3390		All (Categories A and B)	75%
	9/7: DR-4335	St. Thomas and St. John	All (Categories A-G)	90% (Cat A); 100% (Cat B) for 30 days, 90% thereafter; 75% (Cat C-G)
PR	9/18: EM-3391		All (Categories A and B)	75%
	9/10: DR-4336	4 municipalities	27 (0) municipalities	75%

(FEMA Declarations Unit, September 18, 2017 6:58 p.m. EDT)

## Force Laydown:

Department/Agency	St. Thomas	St. Croix	St. John	PR	GA	Totals
ESF-1/ Department of Transportation	2	0	0	0	0	2
ESF-3/ Army Corps of Engineers	39	40	0	96	20	195
ESF-4/ Forest Service	0	0	0	0	0	0
ESF-6/ American Red Cross	46	9	4	0	4	63
ESF-6/ Small Business Association	0	0	0	15	0	15
ESF-8/ Health and Human Services	0	0	0	129	27	156
ESF-9/ Search and Rescue	0	1	0	275	0	276
ESF-10/ Environmental Protection Agency	0	1	0	0	19	20
ESF-12/ Department of Energy	1	1	0	8	0	10
ESF-13/ Law Enforcement	4	8	0	81	0	93
DOD Title 10	1	33	0	64	2	101
NGB	570	*	*	900	2	1,472
United States Coast Guard	0	0	0	1	1	2
DHS – NPPD	24	*	*	1	0	25
Customs and Border Protection	0	0	0	0	0	0
FEMA Caribbean Air Division	0	0	0	43	0	43
FEMA deployed	13	43	2	301	86	445
National Weather Service- NOAA	0	0	0	26	0	26
General Services Administration	15	0	0	0	0	15
Department of the Interior	0	15	31	140	0	186
Contractors and Other Staff	0	0	0	0	68	68
<b>TOTALS</b>	<b>715</b>	<b>151</b>	<b>37</b>	<b>2,081</b>	<b>229</b>	<b>3,213</b>

\*NGB/NPPD personnel indicated in St. Thomas column represents full USVI presence; breakdown by island not available  
(IMCORE Update, Updates in Blue as of 6:00 p.m. EDT, September 19, 2017 / Updates in Black as of 4:00 p.m. EDT, September 19, 2017)

## FEMA Headquarters:

- Effective 8:00 a.m. EDT September 20, National Response Coordination Center (NRCC) will transition to Level I (24/7) and assume incident support responsibilities from Region II for Hurricane Maria (Amendment #2 to OPOD 16-2017, September 19, 2017, 2:00 p.m. EDT)
- National Incident Management Assistance Team (IMAT) East-2 at FEMA Region II Caribbean Area Division, San Juan, PR (Field Ops Update, September 19, 2017, 2:30 p.m. EDT)
- National IMAT East-1 at FL EOC (Field Ops Update, September 19, 2017, 2:30 p.m. EDT)

- **Recovery**

Territory	Total Individual Assistance Registrations	% of Projected Total Registrations	% of Total Households in Disaster Area
<b>Region II</b>			
U.S. Virgin Islands	4,418 (+110)	84.9%	101.1%
Puerto Rico	3,254 (+40)	38.7%	4.1%

(Open Disaster Summary, September 19, 2017, 7:55 p.m. EDT)

- Strategic Workforce Augmentation Team (SWAT) taking calls at three NPSCs, FEMA pop-up call centers, Headquarters, all FEMA Regions, and from home; **4,997 (-45)** call center agents available to receive calls (Recovery Contact Center Surge Staffing Timeline, September 19, 2017, 1:43 p.m. EDT)
- 197 (+23) Disaster Survivor Assistance (DSA) cadre members, 64 FEMA Corps members, and 375 DHS Surge personnel deployed/deployed pending check-in and training in support of Hurricane Irma-affected states and territories (DSA Cadre Management Section Update, September 18, 2017, 9:55 p.m. EDT)

- **Mutual Aid**

Region	Jurisdiction	# of Request(s)	# of States Supporting
II	USVI	16 (-1)	7 (0)

(EMAC Sit Rep #54, September 19, 2017, 8:00 p.m. EDT)

## FEMA Region I

- Regional Response Coordination Center (RRCC) activated to Level II (Partial Activation), day shift only to monitor potential impacts to Hurricane Jose (Region 1 OPORD #1, September 17, 2017, 2:46 p.m. EDT)

## FEMA Region II

- Effective 8:00 a.m. EDT September 20, incident support will transition to the National Response Coordination Center (Amendment #2 to OPORD 16-2017, September 19, 2017, 2:00 p.m. EDT)
  - **Nineteen Region II RRCC Staff deploying to FEMA Headquarters in support of NRCC operations on September 20** (Incident Telephone Communication Plan, September 19, 2017, 10:45 p.m. EDT)
- FEMA Region II IMAT in St. Croix, USVI; FEMA Region X IMAT in St. Thomas, USVI (FOD Update, September 18, 2017, 3:55 p.m. EDT)
- Region II Caribbean Area Division working from Continuity of Operations (COOP) site (RII DSAR, September 16, 2017, 4:00 p.m. EDT)
- **U.S. Virgin Islands:** EOC at Full Activation, state of emergency remains in effect, territory-wide curfew went into effect morning of September 19, Federal Coordinating Officer (FCO) William Vogel on site in St. Croix (RII Rolling Brief, September 19, 2017, 11:00 a.m. EDT)
- **Puerto Rico:** EOC at Full Activation, state of emergency remains in effect, FCO is Alejandro De La Campa (RII DSAR, September 16, 2017, 4:00 p.m. EDT)

## Interagency Coordination/Response:

- **ESF-1: Transportation**

- Airports:
  - **PR:** Muñoz Air National Guard Base closed; hurricane relief aircraft going to the Muñoz Air National Guard Base between September 18-30 must contact the base for approval prior to arrival (ESF-1 Update, September 20, 2017, 12:02 a.m. EDT)
  - **San Juan airport (SJU)** tower and San Juan Combined Center/Radar Approach Control evacuated on September 20
  - **Federal Aviation Administration (FAA)** carrying out a preventative shutdown of two air surveillance radars at the SJU airport (ESF-1 Update, September 20, 2017, 12:02 a.m. EDT)
  - **USVI:** St. Thomas and St. Croix airports closed until September 21 (ESF-1 Update, September 19, 2017, 1:53 p.m. EDT)

- **ESF-2: Communications**

- **MERS** identified additional assets in TX and FL to deploy; arranging DOD airlift to PR post-landfall (ESF-2 Update, September 20, 2017, 12:29 a.m. EDT)

- Commercial communications Disaster Information Reporting System will be activated on USVI and PR effective September 20; first report will be published on September 21; reporting by commercial communications carriers is voluntary *(ESF-2 Update, September 19, 2017, 9:21 p.m. EDT)*
- **ESF-3: Public Works and Engineering**
  - Temporary Roofing Mission (“Blue-Roofs”)
    - Received Mission Assignment for USVI; preparing resources for deployment after Hurricane Maria passes
    - Issued notice to proceed to contractor for Mission Assignment Task Orders to waterproof Schneider Medical Center and install blue roofs at Cyril E. King Airport on St. Thomas, USVI; timeframe for starting work pending Hurricane Maria impacts *(ESF-3 Update, September 19, 2017, 12:12 p.m. EDT)*
  - Debris Removal operations delayed due to storm *(ESF-3 Update, September 19, 2017, 12:25 p.m. EDT)*
  - Arrival of USACE emergency support vehicles and generators intended for USVI delayed due to storm *(ESF-3 Update, September 19, 2017, 11:20 a.m. EDT)*
- **ESF-4: Firefighting**
  - National Incident Management Organization, including embedded ESF-4 personnel, on standby for deployment to USVI to support EOC following Hurricane Maria *(ESF-4 Update, September 19, 2017, 11:45 a.m. EDT)*
- **ESF-5: Information and Planning**
  - National Oceanic and Atmospheric Administration (NOAA) National Geodetic Survey aircraft staged in Lakeland, FL; aircraft and Coast Mobile Integrated Survey Team will provide Hurricane Maria response imaging post-landfall
  - Civil Air Patrol aircraft in PR moved to hangars; aircrew personnel from CONUS will deploy once airfields reopen; [all operations suspended until Hurricane Maria passes](#) *(ESF-5 Update, September 19, 2017, 8:39 p.m. EDT)*
- **ESF-6: Mass Care, Emergency Assistance, Housing, and Human Services**
  - American Red Cross pre-positioning teams and materials and establishing disaster relief organizations and supply chains to support PR and USVI
  - Salvation Army Team Emergency Radio Network activating to monitor health and welfare messages in PR and USVI *(ESF-6 Update, September 19, 2:37 p.m. EDT)*
  - USVI:
    - Processed Request for Resource Form for 49,000 food boxes per week, with capacity to feed 56,000 people per day
    - Working request to transport Southern Baptist mobile kitchen from Montgomery, AL to USVI after Hurricane Maria passes
    - Salvation Army feeding ongoing at two sites on St. Thomas; supporting shelter operations on St. Thomas at Distribution Center Canegata Recreation Complex and Lockhart Elementary School *(ESF-6 Update, September 19, 2:37 p.m. EDT)*
  - PR:
    - [Coordinating with Catholic Charities to support dialysis patients evacuated from PR to FL](#)
    - [Working with NRCC Future Planning Cell and PR JFO to develop Mass Care Strategic Plan](#) *(ESF-6 Update, September 20, 2017, 1:03 a.m. EDT)*
    - 449 certified shelter facilities island-wide with a capacity of 120,000; post-impact population estimated to be 62,155
    - PR Department of Education has 250,000 meal capability for two meals per day for 20 calendar days *(ESF-6 Update, September 18, 2:28 p.m. EDT)*
- **ESF-7: Logistics Management and Resource Support**
  - FEMA has provided 1,617,241 meals and 694,970 liters of water to USVI and 3,600 liters of water and four generators to PR *(ESF-7 Update, September 20, 2017, 1:00 a.m. EDT)*
  - Vessels loaded with commodities awaiting Hurricane Maria to pass before heading to port in USVI/PR:
    - SS Wright: Carrying 1.3M meals and 250,000 gallons of bulk water
    - Conquistador: Carrying 900,000 liters of water, 31 generators, and 10,000 cots
  - Additional vessels being prepared in FL for post-storm support:
    - Jacksonville Crowley barge: Target capacity 4M meals and 5.4M liters water
    - Everglades Crowley barge: Target capacity 800,000 meals and 800,000 liters water *(ESF-7 Update, September 19, 2017, 9:17 a.m. EDT)*



- Ordered additional 3M military meals ready to eat in preparation for Hurricane Maria; sending to Jacksonville, FL beginning September 22 for onward movement to PR
- Planning to provide housing for 3,000 responders with 10 berthing vessels; first vessel (190 beds) will depart September 19 with expected arrival in PR/USVI September 26
- Projecting to establish Air Bridge to airlift 1,400,000 meals from Atlanta, GA international airport to San Juan, PR tentatively starting September 23 (pending Hurricane Maria impacts); planning three flights a day for four days (*ESF-7 Update, September 19, 2017, 12:03 p.m. EDT*)
- General Services Administration owned or leased building closures for September 20: Three of 93 in PR and five of 18 in USVI (*ESF-7 Update, September 20, 2017, 12:30 a.m. EDT*)
- **ESF-8: Public Health and Medical Services**
  - 99 dialysis patients, seven medical staff, and six FEMA Corps members were relocated from PR to FL September 19 (*ESF-8 Update, September 20, 2017, 3:50 a.m. EDT*)
  - HHS activated National Disaster Medical System Definitive Care Reimbursement Program, which reimburses medical facilities and hospitals for the medical care costs of patients medically evacuated following disasters (*ESF-8 Update, September 19, 2017 7:00 a.m. EDT*)
- **ESF-9: Search and Rescue**
  - Two Type 1 Urban Search and Rescue (US&R) teams, three additional canine teams, two logistics packages, and two Type 4 US&R teams all arrived in PR in advance of Hurricane Maria
  - Activating eight Type 4 task forces and alerting four Type 1 task forces for post-landfall deployment (*ESF-9 Update, September 19, 2017, 1:53 p.m. EDT*)
- **ESF-10: Oil and Hazardous Material Response**
  - Environmental Protection Agency (EPA) planning for redeployment of 20 responders back to USVI once Maria passes
  - Eight National Strike Force personnel and one 18 foot shallow water boat safely relocated to FL until Maria passes (*ESF-10 Update, September 20, 2017, 1:00 a.m. EDT*)
- **ESF-11: Agriculture and Natural Resources**
  - Relocated two animal assessment teams, originally deployed to USVI, from PR to Atlanta, GA; standing by for return to USVI pending Hurricane Maria
  - Evacuated over 400 animals from USVI to VA via private rescue organization; animals now awaiting veterinary exams and pick up by rescue organization volunteers (*ESF-11 Update, September 19, 2017, 12:10 p.m. EDT*)
- **ESF-12: Energy**
  - Department of Energy (DOE) Argonne National Lab estimates 90% of 1.2 million customers in PR and nearly 100% of 25,274 customers on St. Croix will experience power outage; model does not account for existing damage from previous storms
  - PR Electric Power Authority activated emergency plan to prepare for potential impacts of Hurricane Maria
  - USVI restoration crews demobilized until storm passes; power plants will generate electricity through storm as long as the distribution system is functional (*ESF-12 Update, September 19, 2017, 12:50 p.m. EDT*)
  - Team of eight DOE Western Area Power Administration repairmen will remain in PR until Hurricane Maria passes (*ESF-12 Update, September 19, 2017, 1:25 a.m. EDT*)
  - Adequate fuel supplies available in USVI in advance of Hurricane Maria (*ESF-12 Update, September 19, 2017, 12:59 p.m. EDT*)
- **ESF-13: Public Safety and Security**
  - Three Quick Response Teams (QRT) (81 personnel) in PR as of September 19; sheltering in place and preparing to conduct post-landfall security and protection operations
    - Coordinating airlift and deployment of four additional QRTs from CONUS to San Juan post landfall to conduct forecasted security measures (*ESF-13 Update, September 19, 2017, 6:53 p.m. EDT*)
  - Relocated ESF-13 responder camp at Moody Air Force Base, GA to Orlando, FL to support Hurricane Maria response efforts and continue Hurricane Irma recovery operations (*ESF-13 Update, September 19, 2017, 10:53 a.m. EDT*)
- **ESF-15: External Affairs**
  - Social Media:

- PR reporting intermittent power outages, fluctuations in cell service, and deteriorating weather conditions
- Reports that shelters in PR are no longer letting people in or out (ESF-15 Update, September 19, 2017, 10:38 p.m. EDT)
- Multiple private sector organizations offering to provide assistance in USVI and PR; FEMA Private Sector Office sharing list of offers with Voluntary Agency Liaisons (ESF-15 Update, September 19, 2017, 1:54 p.m. EDT)
- **U.S. Department of Defense (DOD)**
  - U.S. Northern Command (USNORTHCOM):
    - USS Kearsarge and USS Oak Hill departed USVI to reposition to the southwest; expected to return September 22
    - National Disaster Medical System partners (DOD, Department of Health and Human Services, Veterans Affairs, DHS) preparing for patient evacuation post-landfall; Disaster Aeromedical Staging Facilities prepared to support rapid patient response if required
  - U.S. Southern Command (USSOUTHCOM): Authorized to support emergency evacuation of U.S. citizens in affected areas of Caribbean region through September 29
  - U.S. Transportation Command (USTRANSCOM): Conducting strategic lift re-entry planning for post-Maria support (DOD Update, September 19, 2017, 2:15 p.m. EDT)
  - Defense Logistics Agency (DLA): Mission Assignment received for Deployable Distribution Center at Fort Bragg Initial Staging Base, North Carolina; scheduled for initial operating capacity September 21 and full operating capacity September 22 (DOD Update, September 20, 2017, 12:59 a.m. EDT)
- **National Guard Bureau (NGB)**
  - 65 personnel and aircraft repositioned from USVI to PR; remaining 570 personnel will shelter in place on St. Croix; additional personnel arrivals remain on hold
  - PR serving as a staging area for continued operations in USVI; passenger and commodities movement suspended until Maria passes (NGB Update, September 19, 2017, 1:37 p.m. EDT)
- **U.S. Coast Guard (USCG)**
  - Completed repositioning of USCG personnel, equipment, and first responders in advance of Hurricane Maria; will reconstitute in PR and the USVI after Maria passes (USCG Update, September 19, 2017, 2:05 p.m. EDT)
  - Completed evacuation of 151 (+12) USCG dependents from PR via C-130s (USCG Update, September 20, 2017, 1:49 a.m. EDT)
- **U.S. Customs and Border Protection (CBP)**
  - Medical liaison officer (physician) pre-staged in FL until Hurricane Maria passes; will travel to PR to provide medical support to deployed CBP personnel and be accompanied by border patrol search and rescue agents (CBP Update, September 19, 2017, 1:11 p.m. EDT)
- **U.S. Department of the Interior (DOI)**
  - National Park Service (NPS) and FEMA coordinating transportation of food and water for NPS responders to St. John; NPS responders will work to open port and park service roads following the passage of Hurricane Maria (DOI Update, September 20, 2017, 12:23 a.m. EDT)

## Commodities Tables

- The following commodities have been ordered by and shipped to the USVI and PR:

### U.S. Virgin Islands and Puerto Rico Combined

Product Class	Total Items Shipped to Territory
Commodities Used in Sheltering Items and Services (CUSI)	15
Cots	3,357
Generators	4
Hygiene	1
Meals	1,617,241
Sheeting	15,192
Tarps	13,272
Water	698,570



## U.S. Virgin Islands

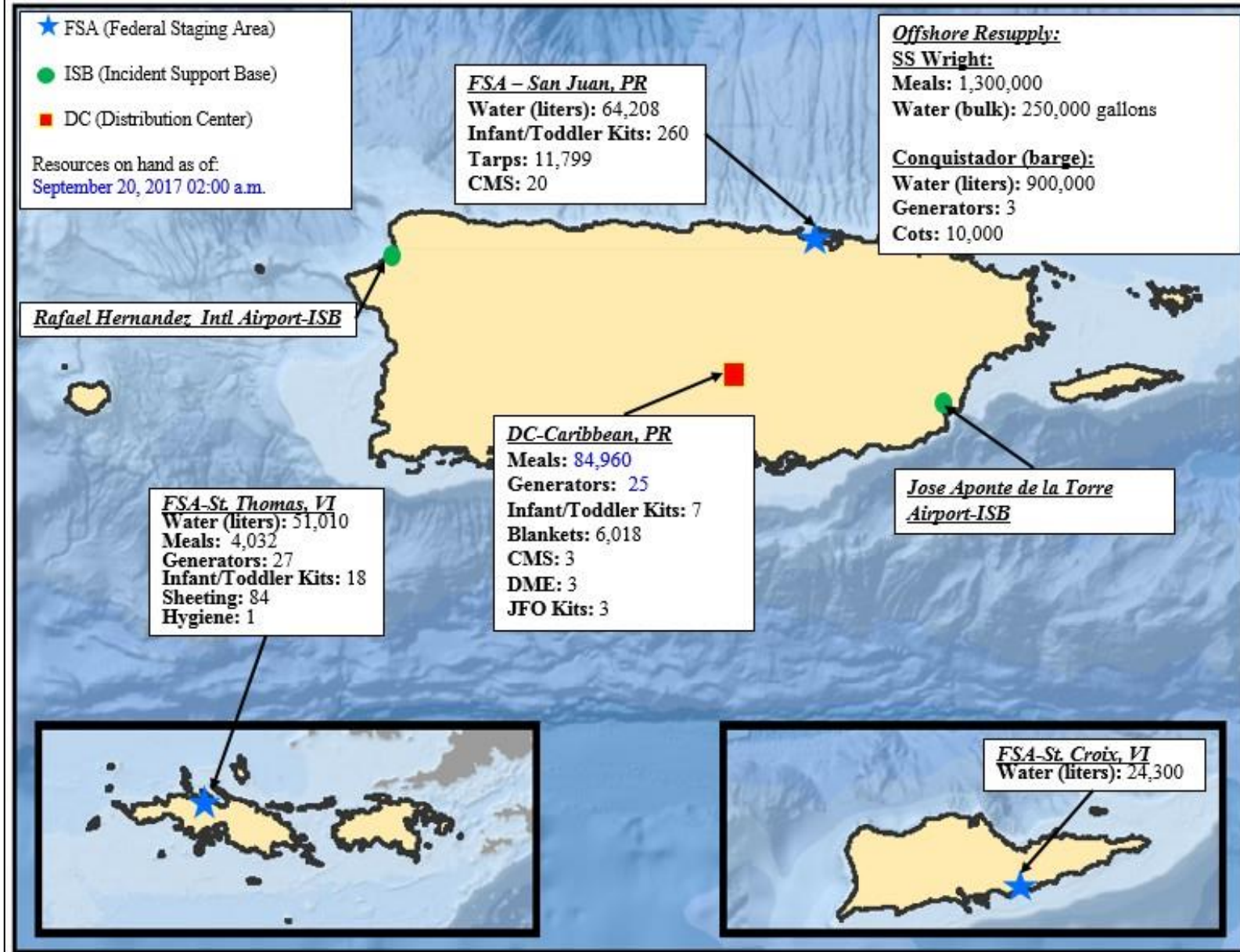
USVI	Ordered Qty	Shipped to Territory Qty
CUSI	58	15
Cots	450	300
Generators	29	0
Hygiene	0	1
Meals	2,052,924	1,617,241
Sheeting	135,056	15,192
Tarps	0	13,272
Water	121,500	694,970

## Puerto Rico

PR	Ordered Qty	Shipped to Territory Qty
Cots	2,150	3,057
Generators	4	4
Water	3,600	3,600

(ESF-7 Update, September 19, 2017 2:00 p.m. EDT)

# Current OCONUS FEMA Commodities Laydown (as of September 20, 2:00 a.m. EDT)



# Present Federal Force Laydown - OCONUS

As of September 20, 2017 5:00 a.m. EDT

## San Juan, PR:

EOC: Full Activation

FEMA: N-IMAT-E2

ESF-3: Debris PRT, Power PRT, 249<sup>th</sup>, ACI Contractor

ESF-8: 4 DMATs, 1 IRCT, 1 SAT

ESF-9: IST, 2 Type I, 2 Type IV, 3 MRP-LF, 2 MRP-Log

ESF-10: NSF

ESF-13: 3 QRTs

DOD: DCE

USCG: IMAT, 3 NSF, NSFCC

## Virgin Islands EOC:

Full Activation

## AT SEA: (Conducting Storm Evasion)

USS KEARSARGE

USS OAK HILL

USS WASP

SS WRIGHT (Responder Berthing)

CONQUISTADOR (Commodities)

## St. Thomas:

FEMA: R-X IMAT; ESF 3: Power PRT, 249<sup>th</sup>

## St. John:

ESF-3: Power PRT, 249<sup>th</sup>

## St. Croix/Christiansted:

FEMA: R-II IMAT

ESF-3: Debris PRT, Power PRT, 249<sup>th</sup>, ACI Contractor

ESF-6: ARC Sheltering Team

DOD: Support Team

Data Sources:  
FEMA, ESRI, NWS, NOAA,  
ESRI, US Census

0 5 10 20 30 40  
Miles

**Recovery Snapshot**  
**Post-Tropical Cyclone Irma**  
**Wednesday, September 20, 2017 (5:00 a.m. EDT)**  
**Updates in Blue**

**Declaration Activity Region IV**

State/Region	Declaration	Declared Counties		
		Individual Assistance	Public Assistance	Cost Share
Region IV				
Georgia	9/15: <i>DR-4338</i>	5 counties	All	75%
Alabama	9/11: <i>EM-3389</i>		All 67 counties and Poarch Band of Creek Indians	75%
Florida	9/10: <i>DR-4337</i>	48 counties	All 67 counties	75% 100% (Cat B) for 30 days
Seminole Tribe of Florida	9/8: <i>EM-3388</i>	-	Whole Tribe	75%
South Carolina	9/7: <i>EM-3386</i>	-	All 46 counties and Catawba Indian Nation	75%

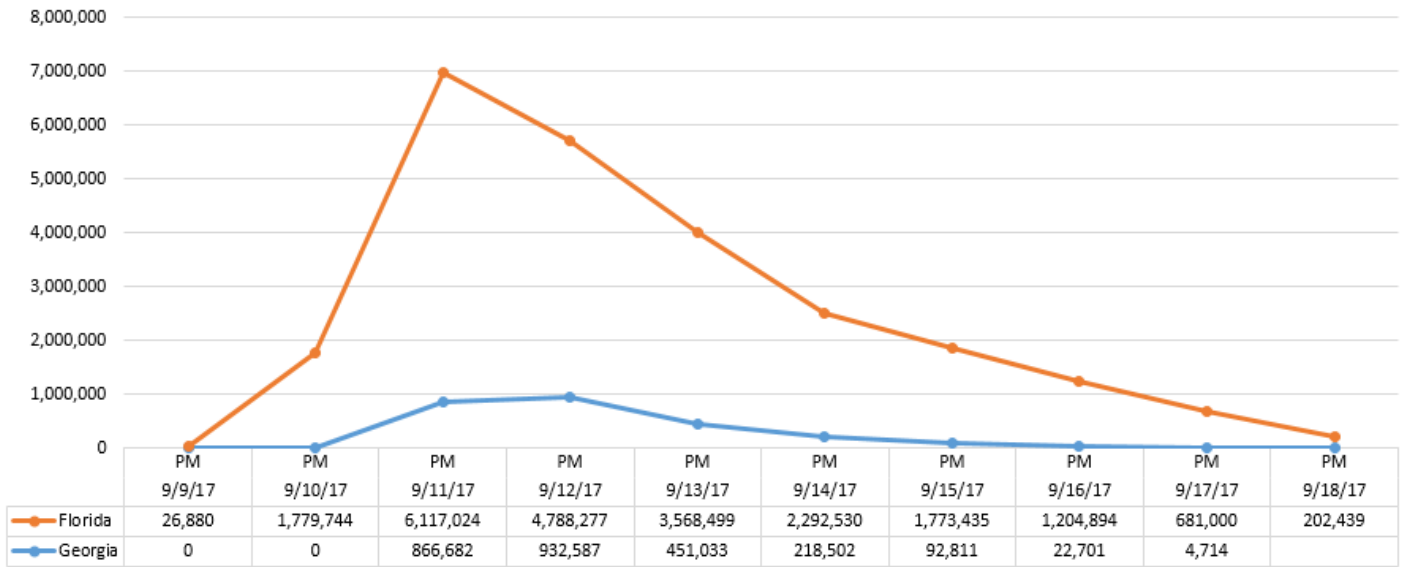
*(FEMA Declarations Unit, September 18, 2017 3:33 p.m. EDT)*

**Irma Force Laydown**

Department/Agency	FL/GA
ESF-1/ Department of Transportation	22
ESF-3/ Army Corps of Engineers	382
ESF-4/ Forest Service	99
ESF-6/ American Red Cross	3,198
ESF-8/ Health and Human Services	535
ESF-9/ Search and Rescue	*
ESF-10/ Environmental Protection Agency	121
ESF-12/ Department of Energy	8
ESF-13/ Law Enforcement	431
DOD Title 10	6,401
NGB	6,797
United States Coast Guard	1,003
DHS – NPPD	163
Customs and Border Protection	67
FEMA deployed	2,785
National Weather Service- NOAA	18
General Services Administration	25
Department of the Interior	202
Civil Air Patrol	57
<b>TOTALS</b>	<b>22,314</b>

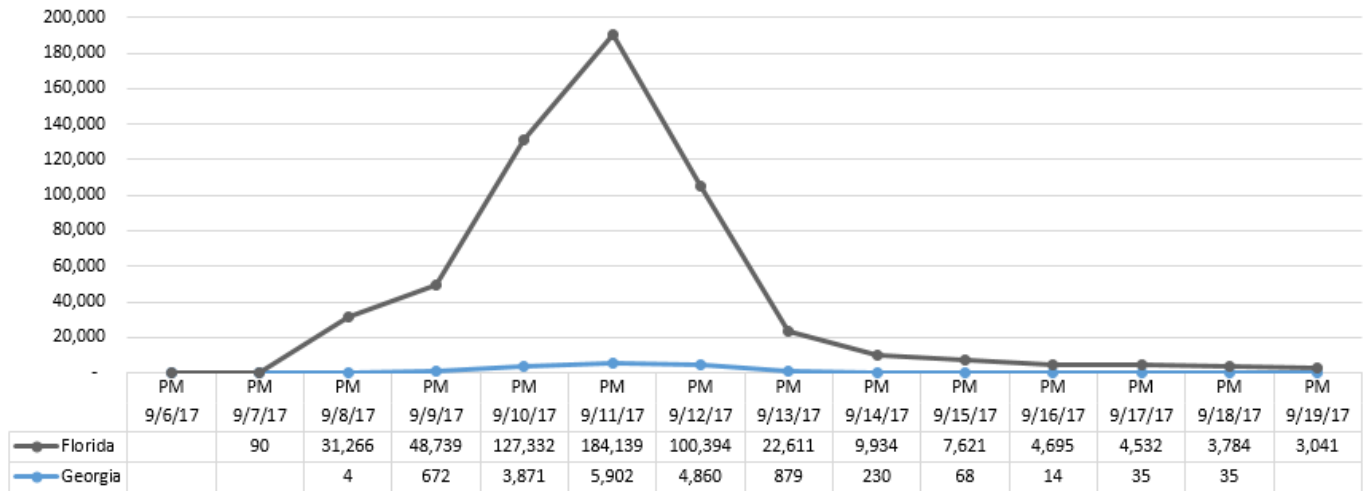
\* Search and Rescue Teams on standby to support  
*(Situational Awareness Info Analysis, September 19, 2017, 4:00 p.m. EDT)*

**Power Outages**  
Total: 202,439 (-577,707)



*(ESF 12 Update, September 19, 2017, 4:00 p.m. EDT)*

**Shelter Population**  
Total: 3,041 (-778)



*(ARC Update, September 19, 2017, 4:15 a.m. EDT)*



## FEMA Region IV:

- RRCC at Level II (Partial Activation, 24/7) (*RIV Update, September 18, 2017, 2:00 p.m. EDT*)
- Region IV IMAT-1 relocated to Branch V of Initial Operating Facility in Dania Beach, FL, Region I IMAT at Lee County, FL (*Field Ops Update, September 19, 2017, 2:30 p.m. EDT*)
- Region IV IMAT-2 at GA EOC (*National SitRep, September 19, 2017, 3:00 a.m. EDT*)
- Region IV Liaison Officers (LNOs) at FL, GA, AL, and Seminole Tribe EOCs (1 each) (*Region IV SitRep, September 19, 2017*)
- Region X Tribal LNO deployed to FL IOF (*Tribal Update, September 19, 2017, 1:50 p.m. EDT*)
- **Florida:** State EOC at Full Activation and state of emergency remains in effect, FCO is Willie Nunn
- **Seminole Tribe of Florida:**
  - Tribal EOC at Full Activation (24/7, all ESFs supporting)
  - FEMA Planner, Tribal LNO, Operations, and Logistics teams on site (*FEMA Tribal Affairs Update, September 16, 2017, 12:14 p.m. EDT*)
- **Georgia:** EOC at Partial Activation, FCO is Thomas J. McCool (*Region IV SitRep, September 19, 2:47 p.m. EDT*)

## Ongoing Response Efforts

- Responder base camps at Homestead, FL and Lehigh Acres, FL operational (*ESF-4 Update, September 18, 2017, 11:45 a.m. EDT*)
- Customs and Border Protection (CBP)
  - Performing reconnaissance missions over FL to assess damage from Hurricane Irma and assist with communication relays throughout state; 35 missions now complete
  - Officers tasked to process passengers on cruise ships that moved people to FL from PR and USVI after Hurricane Irma completed mission and returned to home bases September 19 (*CBP Update, September 19, 2017, 1:52 p.m. EDT*)
- **Civil Air Patrol:** 13 sorties flown for imagery in support of damage assessments on homes and critical infrastructure in FL September 19; six additional imagery sorties planned on September 20 (*CAP SITREP, September 19, 2017, 8:30 p.m. EDT*)
- 150,000 gallons of diesel fuel and 50,000 gallons of aviation fuel intended for Region IV no longer required; Defense Logistics Agency deactivated order and returning fuel to vendor (*ESF-7 Update, September 19, 2017, 12:03 p.m. EDT*)
- **Mission Assignment received for 3 million MREs, to be delivered to Jacksonville, FL starting September 22** (*DoD Update, September 20, 2017, 12:59 a.m. EDT*)

## Interagency Coordination/Recovery:

- **Recovery Support Function (RSF): Housing Recovery**
  - Individual Assistance

Individual Assistance (as of 09/19/2017, 7:55 p.m. EDT)				
State	Total Registrations	Total Individuals and Households Program Approved	Housing Assistance Approved	Other Needs Assistance Approved
Florida	872,364	\$ 175,104,273	\$61,236,662	\$ 113,867,611
Georgia	5,867	\$6,351	\$6,010	\$341.70

- FEMA Inspections

Housing Inspections (as of 09/19/2017, 7:55 p.m. EDT)				
State	Inspectors with Work	Inspections Issued	Inspections Complete	% Complete
Florida	727	190,244	5,927	3.1%
Georgia	8	445	44	9.8%

○ **National Flood Insurance Program Claims Estimates**

NFIP Claims Estimate (as of 09/19/2017, 2:48 p.m. EDT)	
State	Claims Submitted
Florida	Over 15,000
Georgia	Over 1,400
South Carolina	Over 2,600
U.S. Virgin Islands	32
Puerto Rico	4
Alabama	1

\* Over \$3.2M in advance payments issued to insured survivors of Hurricane Irma as of September 19

○ **Temporary Housing**

- Transitional Shelter Assistance (TSA)

Transitional Sheltering Assistance (as of 09/19/2017, 11:42 p.m. EDT)		
State	Households Checked In to Hotel	Eligible
Florida	5,573	306,302

- Shelters: Open shelters and populations are as follows: 30 (-13) shelters with population of 1,889 (-1,152) in FL; two (-2) shelters with population of 10 (-10) with Seminole Tribe (*ESF-6 Update, September 20, 2017, 3:58 a.m. EDT*)

○ **Housing Recovery/Repair**

- Temporary Housing Requirements/Blue Roof Mission
  - Current Mission Assignment funding will support 10,000 roofs; will request additional funding September 25
  - Seven Right of Entry (ROE) collection centers open (Lee County, Collier County [2], Pinellas, Sarasota, Hillsboro, and Miami-Dade); opening center in Monroe September 19 and in Polk September 20
  - Doral County plastic sheet staging site opened September 19
  - Collected 1,252 valid ROEs as of September 18 and completed six blue roof installations (*ESF-3 Update, September 19, 2017, 12:12 p.m. EDT*)
- TS Empire State docked in Key West; will provide housing for up to 652 Federal and state responders (*ESF-1 Update, September 19, 2017, 12:00 p.m. EDT*)
- American Red Cross conducting casework in FL to reduce shelter populations (*ESF-6 Update, September 19, 2017, 2:37 p.m. EDT*)

● **RSF: Infrastructure Recovery**

- Power restoration:
  - FL: Power restored to 98% (+2) of affected FL customers; utilities estimate power restoration complete by September 22 (*ESF-12 Update, September 19, 2017, 12:57 p.m. EDT*)
  - Seminole Tribe of Florida:
    - Power outages remain on Seminole Tribe of Florida Big Cypress and Immaokalee Reservations; could take four weeks to complete restoration on Big Cypress
    - Procuring generators for patients with special medical needs; Century Link working to restore power to Big Cypress Reservation Police Department (*FEMA Tribal Affairs Update, September 19, 2017, 1:50 p.m. EDT*)
- Public Works:
  - FL:
    - Joint Florida Department of Environmental Protection (FDEP)/USACE teams continue Preliminary Damage Assessments (PDAs) of non-Federal beaches in 16 FL counties; 29 of 45 PDAs complete
    - Conducting Light Detection and Ranging (LiDAR) data collection of eastern FL beaches to assess coastal erosion impacts starting September 19
    - Conducting mission analysis (staffing and location) for FL Recovery Field Office (RFO) (*ESF-3 Update, September 19, 2017, 12:23 p.m. EDT*)

- Power teams staged at key response nodes; coordinating with FL on temporary emergency power priorities
  - Completed 105 of 133 assessments and 38 generator installations
  - Sourcing large quantity of <60kW generators with FEMA IV, including generator being prepped for Key West Prison
- Completed installation of generators for 20 sewage lift stations in Collier County (*ESF-3 Update, September 19, 2017, 11:20 a.m. EDT*)
- Seminole Tribe of Florida:
  - Sufficient fuel in Broward County, FL for residents on Hollywood Reservation and parts of Big Cypress
  - Roads and signage damaged on Seminole reservations; roads still not accessible in some locations (*FEMA Tribal Affairs Update, September 19, 2017, 1:50 p.m. EDT*)
- Ports and Waterways:
  - Port of Key West remains open with restrictions
  - USCG established temporary regulated navigation area and temporary safety zone for waters within Key West port (*ESF-1 Update, September 19, 2017, 1:00 p.m. EDT*)
- **RSF: Health and Social Services**
  - Health Services:
    - FL:
      - Hospitals: Nine closed, four evacuated, two (-1) on generator power (*FL Common Operating Picture, September 19, 2017 10:00 a.m. EDT*)
      - Long-term Care Facilities: Eight closed
      - Dialysis centers: 53 closed (*ESF-8 SitRep, September 19, 2017, 10:28 a.m. EDT*)
    - GA: Two hospitals closed (*HHS R2/R4 Sit Rep #21, September 19, 2017, 7:00 a.m. EDT*)
  - Schools: Public school systems open in 60 (+10) FL counties, closed in remaining seven; four plan to reopen September 20 and three on September 25 (*FL Common Operating Picture, September 19, 2017 10:00 a.m. EDT*)
  - Mass Care:
    - FL: FEMA has provided 11,443,564 meals, 7,143,771 liters of water, and 74 generators to FL (*ESF-7 Update, September 20, 2017, 1:00 a.m. EDT*)
      - 140,000 comfort kits and 110,000 clean up kits ordered for Region IV (FL)
      - Southern Baptist Disaster Relief has capacity to feed 60,000 between the Keys and Miami, no additional need for kitchens in area
      - Salvation Army organizing distribution of commodities, including baby supplies; still need for feeding operations in Naples and Ft. Meyers; current canteens have meal capacity of 91,500 (*ESF-6 Update, September 19, 2:37 p.m. EDT*)
    - GA: Salvation Army concluded last feeding operation (*ESF-6 Update, September 19, 2:37 p.m. EDT*)
- **RSF: Natural and Cultural Resources**
  - Two petroleum product tankers en route to FL, bringing total to 38 (*ESF-12 Update, September 19, 2017, 12:59 p.m. EDT*)

## Commodities Tables

- The following commodities have been ordered by and shipped to FL and GA:

### Florida

FL	Ordered Qty	Shipped to State Qty
Blankets	10,000	11,750
CUSIs	90	152
Cots	5,624	6,068
Generators	138	74
Hygiene	25,000	25,000
Meals	8,515,858	11,443,564
Sheeting	38,785	23,831
Tarps	100,846	98,367
Water	6,714,473	7,143,771

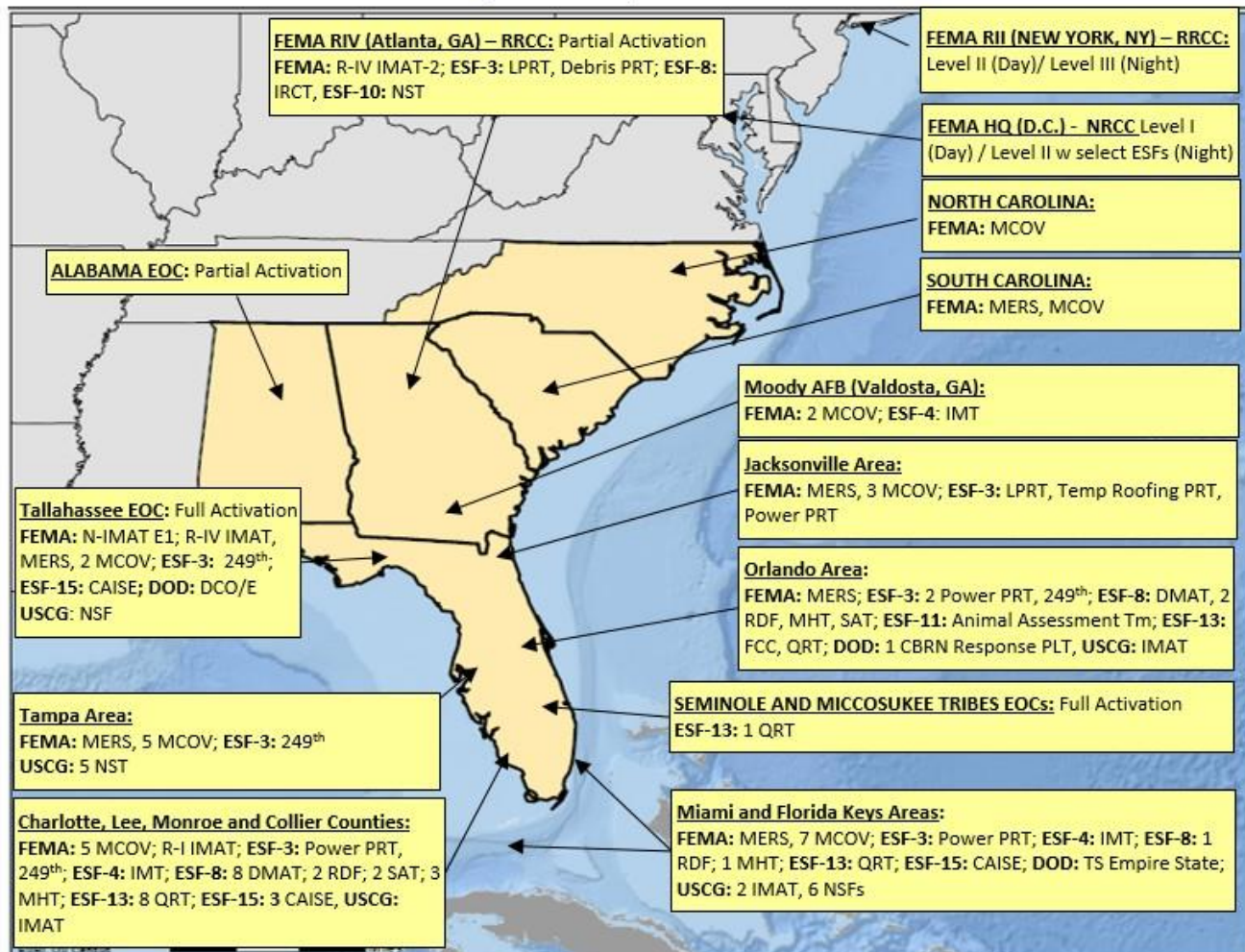
## Georgia

GA	Ordered Qty	Shipped to State Qty
Blankets	15,425	22,885
Cots	12,700	12,505
Meals	610,992	603,144
Tarps	27,928	26,702
Water	917,280	874,320

(ESF-7 Update, September 20, 2017 1:00 a.m. EDT)

## Hurricane Irma Federal Force Laydown - CONUS

As of September 20, 2017 5:00 a.m. EDT



**Recovery Snapshot**  
**Post-Tropical Cyclone Harvey**  
**Wednesday, September 20, 2017 (5:00 a.m. EDT)**  
**Updates in Blue**

**Declarations**

State/Region	Declaration	Declared Counties		
		Individual Assistance	Public Assistance	Cost Share
Region VI				
Texas	8/25: DR-4332	39 counties	46 (+4) counties	90% (Cat A); 100% (Cat B) for 30 days, 90% thereafter;

(DR-4332 Amendment #9, September 19, 2017)

*(DR-4332 Amendment #9, September 19, 2017)*

**Interagency Coordination/Recovery:**

- **RSF: Housing Recovery**
  - **Individual Assistance (IA)**

Individual Assistance (as of 09/19/2017, 7:55 p.m. EDT)				
State	Total Registrations	Total Individuals and Households Program Approved	Housing Assistance Approved	Other Needs Assistance Approved
Texas	774,396	\$ 535,300,777	\$ 370,765,760	\$ 164,535,016

- **FEMA Inspections**

Housing Inspections (as of 09/19/2017, 7:55 p.m. EDT)				
State	Inspectors with Work	Inspections Issued	Inspections Complete	% Complete
Texas	2,069	494,425	175,598	35.5%

- **National Flood Insurance Program Claims Estimates**

NFIP Claims Estimate (as of 09/19/2017, 2:48 p.m. EDT)		
State	Claims Submitted	Advanced Payments to Insured Survivors
Texas	Over 86,000	Over \$483,000,000
Louisiana	Over 470	Over \$812,000

- **SBA Home Loans**

SBA Home Loans (as of 09/19/2017, 1:48 a.m. EDT)					
State	Applications Received	% Processed	Applications Approved	Loan \$ Approved	Average Loan Amount
Texas	35,753	59%	3,293	\$ 277,069,800	\$84,139

- **Temporary Housing**

- American Red Cross continues to consolidate and close shelters in TX *(ESF-6 Update, September 19, 2:37 p.m. EDT)*
- Transitional Shelter Assistance (TSA)

Transitional Sheltering Assistance (as of 09/19/2017, 4:19 p.m. EDT)		
State	Households Checked In to Hotel	Eligible
Texas	23,735	310,291

- **RSF: Economic Recovery**

- **Small Business Administration**

SBA Business Loans (as of 9/17/2017 )					
State	Applications Received	% Processed	Applications Approved	Loan \$ Approved	Average Loan Amount
Texas	2,021	60%	217	\$19,475,500	\$89,749